International Journal of Optoelectronics, 1995, volume 10, number 6, pages 495–497

Author index

Al Waily, R. S., *see* Fyath, R. S.
Arnold, J. M., *see* Avrutin, E. A.
Avrutin, E. A., Marsh, J. H., and Arnold, J. M., Modelling of semiconductor laser structures for passive harmonic mode locking at terahertz frequencies, 427
Avrutin, E. A., *see* Camacho, F.
Avrutin, E. A., *see* Lamond, C.
Ayling, S. G., *see* Ooi, B. S.

Babu, S. K. S., *see* Callaghan, P.
Baets, R., *see* Lowery, A. J.
Baptista, J. M., Cavaleiro, P. M., and Santos, J. L., Self-referencing intensity based Q-type fibre optic sensor, 105
Barrow, D. A., *see* Camacho, F.
Barrow, D. A., *see* Lamond, C.
Bashar, S. A., *see* Rezazadeh, A. A.
Birbeck, J. C. H., *see* Heaton, J. M.
Blood, P., *see* Smowton, P. M.
Blue, R., and Stewart, G., Fibre-optic evanescent wave pH sensing with dye doped sol–gel films, 211
Bordonalli, A. C., Walton, C., and Seeds, A. J., Phase-locking of wide linewidth semiconductor lasers: the optical injection phase-lock loop, 447
Bour, D. P., *see* Smowton, P. M.
Bourke, M. M., *see* Heaton, J. M.
Bryce, A. C., *see* Camacho, F.
Bryce, A. C., *see* Lamond, C.
Bryce, A. C., *see* Ooi, B. S.
Button, C., *see* Muller, J.
Buus, J., *see* Lowery, A. J.

Cada, M., and He, J., Optical clock extraction and self-routeing using a semiconductor nonlinear multilayer structure, 275
Caleya, R. F., *see* Lobo Ribeiro, A. B.
Callaghan, P., Babu, S. K. S., Gomes, N. J., and Jastrzebski, A. K., Optical control of MMIC oscillators, 467
Camacho, F., Barrow, D. A., Avrutin, E. A., Bryce, A. C., and Marsh, J. H., Two-contact semiconductor mode-locked lasers, 433
Carroll, J. E., Guest Editorial: Semiconductor Lasers, 313
Carroll, J. E., and Flanigan, B. J., The push–pull principle, 337
Cavaleiro, P. M., *see* Baptista, J. M.
Chao, L., Wilson, B., and Ghassemlooy, Z., Sampling frequency considerations in a time-division-multiplexed SWFM system, 303
Chen, J., Maciejko, R., and Makino, T., Second-order harmonic distortion in AM response of gain-coupled DFB lasers, 139
Cherry, S. R., *see* Pignon, D.
Cheung, W. N., Simulation of photonic noise in optocouplers, 231
Cheung, W. N., *see* Li, Y.-q.
Chua, S. J., Ramam, A., Lim, N., Gopalakrishnan, R., and Tan, K. L., Double heterostructure laser diode emitting at 1·06 μm using quaternary alloy of InGaAlAs, 265

Dainty, P., *see* Pignon, D.
Davies, P. A., *see* Lima, C. R.
Doskolovich, L. L., Kazanskiy, N. L., Perlo, P., Repetto, P., and Soifer, V. A., Direct two-dimensional calculation of binary DOEs using a non-binary series expression approach, 243
Drew, J., *see* Wilson, B.
Dye, S., Mach–Zehnder external modulator linearization techniques, 455

Edwards, P. J., *see* Li, Y.-q.

Farahi, F., *see* Sisk, W. N.
Farokhrooz, F. N., and Raina, J. P., Performance of coherent optical phase diversity systems affected by chromatic dispersion induced PM–AM conversion noise, 115
Feitelson, D. G., Rudolph, L., and Schenfeld, E., A three-dimensional optical interconnection network with distributed control, 163
Flanigan, B. J., *see* Carroll, J. E.
Fyath, R. S., and Al Waily, R. S., Receiver analysis for gigabit-per-second non-regenerative optical fibre transmission systems: impact of phase-to-intensity noise conversion by chromatic dispersion, 195

George, D. S., McCall, M. W., Wavelength conversion schemes using semiconductor lasers, 315,
Georgiev, B. Z., *see* Ilev, I. K.
Ghassemlooy, Z., Issa, A. A., Wickramasinghe, R., and Simmonds, A. J., Compound pulse frequency and width modulation technique, 19
Ghassemlooy, Z., *see* Chao, L.
Gomes, N. J., *see* Callaghan, P.
Gopalakrishnan, R., *see* Chua, S. J.
Gourlay, J., McOwan, P., and Vass, D. G., Hadamard transform image processing and its optical implementation with ferroelectric liquid crystal spatial light modulators, 51
Grobnic, D. M., and Puscas, N. N., Study of the amplified emission noise reconstruction of Er:Ti:$LiNbO_3$ waveguides, 285

Hall, T. J., *see* Pignon, D.
Harris, J. S., Jr, *see* Larson, M. C.
He, J., *see* Cada, M.
Heaton, J. M., Jones, S. B., Bourke, M. M., Hilton, K. P., Birbeck, J. C. H., and Wight, D. R., MMIC compatible GaAs/AlGaAs electro-optic waveguide modulators and switches for microwave applications, 479

Higginbottom, G. N., *see* Senior, J. M.
Hilton, K. P., *see* Heaton, J. M.

Ilev, I. K., and Georgiev, B. Z., A simple autocollimation laser refractometer, 31
Issa, A. A., *see* Ghassemlooy, Z.

Jastrzebski, A. K., *see* Callaghan, P.
Jones, S. B., *see* Heaton, J. M.

Kang, K.-S., *see* Sisk, W. N.
Karasik, Y. B., Simultaneous uniform local coordinate transformations and their optical implementation, 299
Kazanskiy, N. L., *see* Doskolovich, L. L.

Lamond, C., Avrutin, E. A., Barrow, D. A., Thayne, I. G., Bryce, A. C., and Marsh, J. H., Two-section self-pulsating laser diodes and their application to microwave and millimetre-wave optoelectronics, 439
Lane, P. M., *see* Zhang, S. L.
Larson, M. C., Massengale, A. R., and Harris, J. S., Jr, Continuously tunable micro-electromechanical vertical-cavity surface-emitting lasers, 401
Laughton, F. R., *see* Muller, J.
Li, G., *see* Liu, L.
Li, H., *see* Yang, S.
Li, Y.-q., Edwards, P. J., Lynam, P., and Cheung, W. N., Quantum-correlated light from transverse junction stripe laser diodes, 417
Liang, F., *see* Liu, L.
Lim, N., *see* Chua, S. J.
Lima, C. R., and Davies, P. A., Noise in microwave signals generated by pulsed semiconductor lasers, 443
Liu, L., Yin, Y., Peng, H., Xiong, W., Li, G., Wang, B., Wang, N., Shao, L., Liang, F., and Zhao, L., Design and fabrication of parallel processor modules by polarization-optical stacked integration, 39
Liu, L., *see* Wang, B.
Liu, L., *see* Wang, N.
Lobo Ribeiro, A. B., Caleya, R. F., and Santos, J. L., General error function of synthetic-heterodyne signal processing in interferometric fibre-optic sensors, 205
Lowery, A. J., Olesen, H., Morthier, G., Verhoeve, P., Baets, R., Buus, J., McDonald, D., and Marcenac, D. D., A proposal for standardized parameters for semiconductor lasers, 347
Luo, Y., Sun, C.-Z., Nakano, Y., and Tada, K., Analysis of gain and index coupling coefficients of DFB semiconductor lasers using a practical model, 331
Lynam, P., *see* Li, Y.-q.

Maciejko, R., *see* Chen, J.
Makino, T., *see* Chen, J.
Marcenac, D., Travelling wave effects for wavelength conversion by cross-gain and cross-phase modulation in optical amplifiers, 325
Marcenac, D. D., *see* Lowery, A. J.
Marcenac, D., *see* Noel, L.
Marsh, J. H., *see* Avrutin, E. A.
Marsh, J. H., *see* Camacho, F.
Marsh, J. H., *see* Lamond, C.
Marsh, J. H., *see* Ooi, B. S.
Massengale, A. R., *see* Larson, M. C.
McCall, M. W., *see* George, D. S.
McCall, M. W., *see* Ziang, Z.
McDonald, D., *see* Lowery, A. J.
McOwan, P., *see* Gourlay, J.
Middlemast, I., *see* Muller, J.
Mogensen, P. C., *see* Smowton, P. M.
Morozov, V. N., Parallel optoelectronic counter—one more example of high efficiency free-space global interconnects utilization, 179
Morthier, G., *see* Lowery, A. J.
Muller, J., Laughton, F. R., White, I. H., Penty, R. V., Sarma, J., Middlemast, I., Ryan, T., and Button, C., Q-switched bow-tie lasers at 1·5 μm driven by an overshoot-compensated avalanche pulse generator, 35

Nakano, Y., *see* Luo, Y.
Nakwaski, W., and Osiński, M., Current spreading in proton-implanted vertical-cavity top-surface-emitting lasers, 119
Nakwaski, W., and Osiński, M., Series electrical resistance of proton-implanted vertical-cavity top-surface-emitting lasers, 129
Nakwaski, W., *see* Sarzała, R. P.
Noel, L., Marcenac, D., and Wake, D., Optical millimetre-wave signal generation using an optically-injected DFB laser, 451
Nutkins, G., *see* Wilson, B.

O'Reilly, J. J., *see* Zhang, S. L.
Olesen, H., *see* Lowery, A. J.
Ooi, B. S., Street, M. W., Ayling, S. G., Bryce, A. C., Marsh, J. H., and Roberts, J. S., The application of the selective intermixing in selected area (SISA) technique to the fabrication of photonic devices in GaAs/AlGaAs structures, 257
Osiński, M., *see* Nakwaski, W.
Osiński, M., *see* Sarzała, R. P.

Pannell, C. N., *see* Wacogne, B.
Paquet, E., Recognition of polychromatic range images based on chromatic sampling of scalar products and logarithmic histograms, 251
Parmiter, P., *see* Pignon, D.
Peng, H., *see* Liu, L.
Penty, R. V., *see* Muller, J.
Perlo, P., *see* Doskolovich, L. L.
Pignon, D., Hall, T. J., Xu, L. Q., Parmiter, P., Dainty, P., Russ, K. B., Cherry, S. R., Roberts, N. C., and Prewett, P. D., A quantized optical neural network with on-line learning, 79
Prewett, P. D., *see* Pignon, D.
Puscas, N. N., *see* Grobnic, D. M.

Qian, J., *see* Wang, N.
Quayle, J. A., A review of passive optical network media access control protocols and their application to advanced passive optical networks, 1

Raina, J. P., *see* Farokhrooz, F. N.
Raja, M. Y. A., *see* Sisk, W. N.
Ramam, A., *see* Chua, S. J.
Repetto, P., *see* Doskolovich, L. L.
Rezazadeh, A. A., Sheng, H., and Bashar, S. A., InP-based HBTs for optical telecommunications, 489
Roberts, J. S., *see* Ooi, B. S.
Roberts, N. C., *see* Pignon, D.
Roe, M. P., *see* Wacogne, B.
Rudolph, L., *see* Feitelson, D. G.
Russ, K. B., *see* Pignon, D.
Ryan, T., *see* Muller, J.

Santos, J. L., *see* Baptista, J. M.
Santos, J. L., *see* Lobo Ribeiro, A. B.
Sarma, J., *see* Muller, J.
Sarzała, R. P., Nakwaski, W., and Osiński, M., Comprehensive thermal–electrical self-consistent model of proton-implanted top-surface-emitting lasers, 357
Schenfeld, E., *see* Feitelson, D. G.
Seeds, A. J., *see* Bordonalli, A. C.
Senior, J. M., and Higginbottom, G. N., Optical WDM local area network performance using TDMA under asymmetric traffic load distributions, 25
Shao, L., *see* Liu, L.
Shao, L., *see* Wang, B.
Sheng, H., *see* Rezazadeh, A. A.
Shore, K. A., *see* Spencer, P. S.
Simmonds, A. J., *see* Ghassemlooy, Z.
Sisk, W. N., Kang, K.-S., Raja, M. Y. A., and Farahi, F., Matrix and donor/acceptor dependence of polymer dispersed pyrromethene dye photoconductivity, 95
Smowton, P. M., Blood, P., Mogensen, P. C., and Bour, D. P., Role of sublinear gain–current relationship in compressive and tensile strained 630 nm GaInP lasers, 383
Soifer, V. A. *see* Doskolovich, L. L.
Spencer, P. S., and Shore, K. A., Quantum well structures for intersubband semiconductor lasers, 393,
Stewart, G., *see* Blue, R.
Street, M. W., *see* Ooi, B. S.
Sun, C.-Z., *see* Luo, Y.

Tada, K., *see* Luo, Y.
Tan, K. L., *see* Chua, S. J.
Thayne, I. G., *see* Lamond, C.
Tsang, H. K., *see* Ziang, Z.

Vass, D. G., *see* Gourlay, J.
Verhoeve, P., *see* Lowery, A. J.

Wacogne, B., Roe, M. P., and Pannell, C. N., Deposition, evaluation and application of sputtered zinc oxide thin films, 9
Wake, D., *see* Noel, L.
Walker, A. B., *see* Woods, S. J.
Walton, C., *see* Bordonalli, A. C.
Wang, B., Liu, L., Shao, L., and Wang, N., Two-stage fuzzy logic architecture for grey-scale image processing, 269
Wang, B., *see* Liu, L.
Wang, N., *see* Liu, L.
Wang, N., *see* Wang, B.
Wang, N., Yin, Y., Qian, J., and Liu, L., Compact solid-state optical multi-stage network, 223
White, I. H., *see* Muller, J.
Wickramasinghe, R., *see* Ghassemlooy, Z.
Wight, D. R., *see* Heaton, J. M.
Wilson, B., Nutkins, G., Drew, J., Wideband analogue single-fibre link with high DC stability, 89
Wilson, B., *see* Chao, L.
Wilson, M. G. F., *see* Zwiggelaar, R.
Wilson, S. P., *see* Woods, S. J.
Woods, S. J., Wilson, S. P., and Walker, A. B., Modelling of GaAs p–i–n photodiodes and n–p–n phototransistors under high illumination conditions, 473

Xiong, W., *see* Liu, L.
Xu, L. Q., *see* Pignon, D.

Yamada, M., Intensity noise in semiconductor lasers, 409
Yang, S., and Li, H., Analysis of Bragg resonator using a standing-wave method, 289
Yin, Y., *see* Liu, L.
Yin, Y., *see* Wang, N.

Zhang, S. L., Lane, P. M., and O'Reilly, J. J., Assessment of the nonlinear effects of a Mach–Zehnder modulator for analogue fibre-radio systems, 461
Zhao, L., *see* Liu, L.
Ziang, Z., Tsang, H. K., and McCall, M. W., Numerical simulation of high power filament-free operation from double tapered semiconductor laser diodes, 373
Zwiggelaar, R., and Wilson, M. G. F., Propagation of the degree of polarization in an optical fibre: experimental results, 295